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No. VI.

SPINDLE FOR MORTICE LOCKS.

The SILVER ISIS MEDAL *and* FIVE POUNDS *were presented to Mr. C.* TAPERELL, 13, *Penton Place, Pentonville, for his Adjustable Spindle for Mortice-Locks; a Model of which has been placed in the Society's Repository.*

13, *Penton Place, Pentonville,*
SIR, *Feb.* 21, 1832.

I AM prepared when called for to lay before the Society a model of my invention, being an improvement in nobs and spindles to mortice-locks. Hitherto these spindles have always been made to a fixed length, for doors of various thickness, and cannot be altered without being returned in order to make the nobs and roses fit well to each other and to the door. The spindle is required to be adjusted with considerable nicety to the proper length, which is seldom if ever the case. When the spindle is too long, the nobs and spindle rattle about; when too short, it works stiff, and will not admit the bolt to which the spindle is attached to work freely. My improvement will remedy all these defects; for it can be adapted to doors of any thickness, and that to the greatest nicety. The defects which I have now pointed out may be seen in every house, and almost in every door. Should my humble improvement merit the attention of the Society, I shall feel thankful.

A. AIKIN, *Esq.* CHARLES TAPERELL.
Secretary, &c. &c.

Fig. 1 shews the handle fitted to a two-inch door; and fig. 2 is applied to an inch and a half door: *a* the fixed knob; *b* the adjustable knob; it is pierced with a square hole, which the square spindle accurately fits. The spindle has a hole within it, deep enough to receive a two and half inch screw. In fig. 1 the square end enters the knob *b* half an inch, and is there held by the screw, without the collet, fig. 3; but in fig. 2 it enters the knob one inch, and passes so far into the square hole as to need the collet fig. 3 to be put on. In both cases the knobs fit close, and well to the doors, and of course they will suit any intermediate thickness quite as well.